

Mode shapes and crack damage in subtangential buckling of columns

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Abstract: The work is aimed at a twofold objective. The first objective is the introduction of the concept of buckled mode shapes for subtangential buckling, which in turn leads to physical interpretation of certain behavior in nonconservative buckling of crack-free columns. The second objective is to look into the subject of subtangential buckling of columns with damage in the form of a nonpropagating crack.